

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE	ATTORNEY DOCKET NO. 4030C	SERIAL NO. 08/972653
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT: Gary J. Puterka, et al.	
		FILING DATE: Nov. 18, 1997	Page 1 of 6

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
RDZ	3,159,536	12/64	Marotta	424-600 467-42	
	3,235,451	1965	Odeneal	424-421 467-42	
	2,818,340	12/57	Goddin et al.	99-2	
	4,279,895	7/81	Carle	424/127;424/ 155	
	3,124,505	3/64	Doyle, et al.		
	4,632,936	12/86	Boase, et al.	514/465	
	2,948,632	8/60	Albert, et al.		
	5,122,518	6/92	Vrba	514/63	
	4,274,883	6/81	Lumbeck, et al.	106/308	
RDZ	3,964,649	6/76	Alexander	222/399	

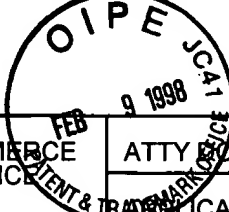
## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document number	Publication Date	Country or Patent Office	Class	Translation	
					Yes	No
RDZ	SU 1792257 A3	6/11/90	Soviet Union		X	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

RDZ	Driggers, B. F. "Experiments with Talc and Other Dusts Used Against Recently Hatched Larvae of the Oriental and Codling Moths," J. Econ. Ent., 22 327-334 (1929)
	Hunt, C.R., "Toxicity of Insecticide Dust Diluents and Carriers to Larvae of the Mexican Bean Beetle," J. Econ. Ent., 40 215-219 (1947)
	P. Alexander, J.A. Kitchener and H.V. A. Briscoe, "Inert Dust Insecticides," Parts I, II, and III, Ann. Appl. Biol., 31 143-159 (1944)
	W. Ebeling, R. F. Wagner "Rapid Desiccation of Drywood Termites with Inert Sorptive Dusts and Other Substances," J Econ. Ent., 52 190-207 (1959)
	M. Bar-Joseph, H. Frenkel "Spraying Citrus Plants with Kaolin Suspensions Reduces Colonization by the Spiraea Aphid." Crop Prot 2 371-374 (1983)
	J.S. Dhaliwal, "Effect of Rainfall and Kaolinite Spray on the Corn Aphid, Rhopalosiphum Maidis (Fitch) Infesting Barley (Hordeum Vulgare Linn)," Forage Res. 5:155-157 (1979)
RDZ	A. Boyce, "Mortality of Rhagoletis Completa Cress. (Diptera:Trypetidae) Through Ingestion of Certain Solid Materials," J. Econ Ent 25 1053-1059 (1932)

Examiner	LOVERING	Date Considered	7-13-98
----------	----------	-----------------	---------



FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 4030C	SERIAL NO.08/972653
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT: Gary J. Puterka, et al.	
		FILING DATE: Nov. 18, 1997	Page 2 of 6

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Filing Date if Appropriate
ROZ	5,414,954	5/95	Long	43/121	
	4,705,816	11/87	Pole	523/524	
	5,392,559	2/95	Long	43/52	
	5,480,638	1/96	Erwin	424/614	
	4,634,463	1/87	Ohsuga	71 -34	
	5,186,935	2/93	Tucker	424/410	
ROZ	2,441,423	5/48	Elliott, et al.	252 -313.2X	
	3,227,657	1/66	Haden, Jr., et al.	252 -315.2	
	3,346,507	10/67	Taulli	252 -315.2	
	4,071,374	1/78	Minton	252 315.2X	
	4,203,864	5/80	Sawyer, Jr.	252 -314	
	4,382,868	5/83	House	252 -315.2X	
	5,393,461	2/95	Fillipova	252 -314	
ROZ	5,455,220	10/95	Dedolph	71 -DIG.1	

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

ROZ	C. Richardson L. Glover, "Some Effects of Certain 'Inert' and Toxic Substances Upon the Twelve-Spotted Cucumber Beetle, Diabrotica Duodecimpunctata," J Econ Ent 25 1176-1181 (1932)
ROZ	A. Farmer, "The Effects of Dust on Vegetation: A Review," Envir Pol 79 (1193) 63-75
ROZ	V. Wigglesworth, "Action of Inert Dusts on Insects," Nature 153 (1944) 493-494
ROZ	W. David, B. Gardiner, "Factors Influencing the Action of Dust Insecticides," Bul Ent Res. (1950) 41 1-61
ROZ	H. Kalmus, "Action of Inert Dusts on Insects," Nature 33 (1945) 188-189
ROZ	J. Kring, "Flight Behavior of Aphids," Ann Rev Ent 17 461-493 (1972)
ROZ	S. Chiu, "Toxicity Studies of So-Called 'Inert' Materials with the Bean Weevil, Acanthoscelides Obtectus (Say) J Econ Ent 32 240-248 (1939)
13 ROZ	M. Baradas, B. Blad, N. Rosenberg, "Reflectant Induced Modification of Soybean Canopy Radiation Balance v. Longwave Radiation Balance," Agron J 68 848-852 (1976)

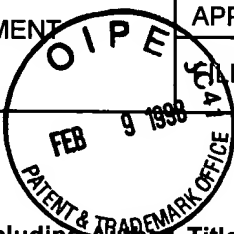
Examiner LOVERING	Date Considered 7-13-98
-------------------	-------------------------

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

APPLICANT: Gary J. Puterka, et al.

FILING DATE: Nov. 18, 1997

Page 3 of 6



## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

1	G. Stanhill, S. Moreshet, M. Fuchs, "Effect of Increasing Foliage and Soil Reflectivity on the Yield and Water use Efficiency of Grain Sorghum," Agron J. 68 329-332 (1976)
1	S. Moreshet, S. Cohen, Y. Fuchs, "Effect of Increasing Foliage Reflectance on Yield, Growth and Physiological Behavior of a Dryland Cotton Crop," Crop Sci 19 863-868 (1979)
1	R. Yokomi, "A Preliminary Report of Reduced Infection by Spiroplasma Citri and Virescence in Whitewash-Treated Periwinkle," Phytopathology 71 914 (1981)
2	D. Eveling, "Similar Effects of Suspensions of Copper Oxychloride and Kaolin on Sprayed Leaves," Ann Apply Biol. (1972) 70, 245-249
7	J. Jack, J. Gilbert, "The Effect of Suspended Clay on Ciliate Population Growth Rates," Freshwater Biol (1993) 29, 385-394
8	H. Uppal, S. Cheema, "Effect of Mulches and Kaolin Spray on Soil Temperature, Growth, Yield and Water Use of Barley," Ind J Agric Sci (1981) 51, 653-659
16	D. Meador, "Reducing Russet on 'Golden Delicious' Apples with Silicon Dioxide Formulation Foliage Sprays," Hort Sci (1977) 12, 504-505
20	T. Babu, S. Hussaini, B. Satyanarayana, "Effect of Pre-Storage Seed Treatments on Adult Mortality, Oviposition and Development of Callosobruchus Chinensis L.(Bruchidae:Coleoptera) and the Viability of Mungbean (Vigna Radiata (L.) Wilczek) in India," Tropical Pest Mgt (1989) 35, 397-398
21	T. Babu, S. Hussaini, M. Sriramulu, M. Siddiqui, "Effect of Inert Clay and Insect Growth Regulators on the development of Callosobruchus Chinesis L and the Germination of Mungbean Seed [Vigna Radiata(l) Wilczek]
22	R. Campbell, J. Ephgrave, "Effect of Bentonite Clay on the Growth of Gaeumannomyces Graminis var. tritici and on Its Interactions with Antagonistic Bacteria," J Gen Microbiol (1983) 129, 771-777
23	J. Desmarchelier, C. Ahern, "Insecticide-Retentive Carriers 2. Fenitrothion-Impregnated Clays," Aus J Exper Agric (1988) 28, 271-8
24	R. Wagner, W. Ebeling, "Lethality of Inert Dust Materials to Kaloterms Minor Hagen and Their Role as Preventives in Structural Pest Control," J Econ Ent (1959) 52, 208-212
25	J.S. Kennedy, C.O. Booth, W.J.S. Kershaw, "Host Finding by Aphids in the Field," Ann Appl. Biol (1961), 49, 1-21
26	W.O. Cline, R.D. Milholland, "Root Dip Treatments for Controlling Blueberry Stem Blight Caused by Botryosphaeria Dothidea in Container-Grown Nursery Plants," Plant Disease 76, 136-138 (1992)
27	J. Norman, "Development of Colletotrichum Gloeosporioides f. sp. clidemiae and Septoria passiflorae into Two Mycoherbicides with Extended Viability," Plant Disease 79, 1029-1032 (1995)
28	S. K. Bhattacharyya, M. K. Basu, "Kaolin Powder as a Fungal Carrier," Appl. Envir. Microbio. 44, 751-753 (1982)

Examiner

LOVERING

Date Considered

7-13-98

INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

APPLICANT: Gary J. Puterka, et al.

FILING DATE: Nov. 18, 1997

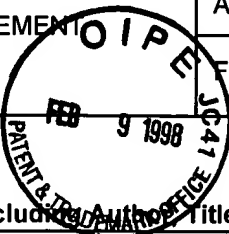
Page 4 of 6



## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

28	R. H. Daines, R.J. Lukens, E. Brennan, I. Leone, "Phytotoxicity of Captan as Influenced by Formulation, Environment and Plant Factors," Phytopathology (1957) 47, 567-572
29	FDF Yougn, JRM Thacker, DJ Curtis, "The Effects of Three Adjuvants On the Retention of Insecticide Formulations by Cabbage Leaves," J Environ. Sci. Health (1996) B31, 165-178
30	G. Haukenes, BK Hjeltns, "Kinetics of the Binding of Immunoglobulins, Antibodies and Virus Haemagglutination Inhibitors to Kaolin," Biologicals (1991) 19, 31-35
31	J. Han, "Use of Antitranspirant Epidermal Coatings for Plant Protection in China," Plant Dis. (1990) 74, 263-266
32	O. Ziv, RA Frederiksen, "The Effect of Film-Forming Anti-Transpirants on Leaf Rust and Powdery Mildew Incidence on Wheat," Plant Path (1987) 36, 242-245
33	C. Jacob, et al. "New Strategies in the Control of Major Leaf Disease of Hevea," J Myco & Plant Path (1995) 25, 120
34	S. Marco, "Incidence of Nonpersistently Transmitted Viruses in Pepper Sprayed with Whitewash, Oil, and Insecticide, Alone or Combined," (1993) Plant Dis 77, 1119-1122
35	Ziv, O. "Control of Septoria Leaf Blotch of Wheat and Powdery Mildew of Barley with Antitranspirant Epidermal Coating Materials," Phytopar (1983) 11, 33-38
36	M. Kamp, "Control of Erysiphe Cichoracearum on Zinnia Elegans, with a Polymer-Based Antitranspirant," Hort Sci (1985) 20, 879-881
37	J. Zekaria-Oren, Z Eyal, "Effect of Film-Forming Compounds on the Development of Leaf Rust on Wheat Seedlings," Plant Dis (1991) 75, 231-234
38	A. Franck, M. Bar-Joseph, "Use of Netting and Whitewash Spray to Protect Papaya Plants Against Nivun Haamir (NH) Dieback Disease," Crop Prot (1992) 11, 525-528
39	O. Ziv, "Effects of Bicarbonates and Film-Forming Polymers on Cucurbits Foliar Diseases," Plant Dis (1992) 76, 513-517
40	TC Helvey, "Insecticidal effect of Inert Solid Diluents," Sci (1952) 116, 631-632
41	HG Guy, HF Dietz "Further Investigations with Japanese Beetle Repellents," J Econ Ent (1939) 32, 248-252
42	C. Conceicao, A. Mexia, A. Barbosa, "Combined Effects of Silica Aerogels and Insect Growth Regulators Against Sitophilus Zeamais Motch Infestations," Int Cong Ent pro 1996
43	MRGK Nair, "Structure of Waterproofing Epicuticular Layers in Insects in Relation to Inert Dust Action," Indian J Ent (1957) 19, 37-49
44	BR Bartlett, "The Action of Certain 'Inert' Dust Materials on Parasitic Hymenoptera," J Econ Ent (1951) 44, 891-896
45	GL Hockenyos, "Effect of Dusts on the Oriental Roach," J Econ Ent (1933) 26, 792-794

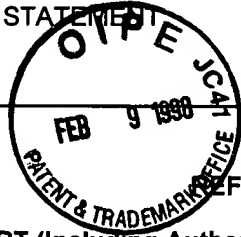
FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 20C	SERIAL NO. 08/972653
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICANT: Gary J. Puterka, et al.	
		FILING DATE: Nov. 18, 1997	Page 5 of 6



OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

46	T. Hirano, M. Kiyota, I. Aiga, "Physical Effects of Dust on Leaf Physiology of Cucumber and Kidney Bean Plants," <i>Environ Poll</i> (1995) 89, 255-261
47	NKS Rao, "The Effects of Antitranspirants on Leaf Water Status, Stomatal Resistance and Yield in Tomato," <i>J Hort Sci</i> (1985) 60, 89-92
48	DW Eveling MZ Eisa, "The Effects of a Cuticle-Damaging Kaolin On Herbicidal Phytotoxicity," <i>Weed Res</i> (1976) 16, 15-18
49	S. Marco, O. Ziv, R. Cohen, "Suppression of Powdery Mildew in Squash by Applications of Whitewash, Clay and Antitranspirant Materials," <i>Phytopar</i> (1194) 22, 19-29
50	SM Lipson, G. Stotzky, "Effect of Kaolinite on the Specific Infectivity of Reovirus," <i>FEMS Micro. Let.</i> 37, 83-88 (1986)
51	S. Lavie, G. Storzky, "Adhesion of the Clay Minerals Montmorillonite, Kaolinite, and Attapulgite reduces Respiration of <i>Histoplasma Capsulatum</i> ," <i>App &amp; Envir Micro</i> (1986) 51, 65-73
52	MS Rajan, KR Reddy, RS Rao, GHS Reddi, "Effect of Antitranspirants and Reflectants on Pod Yield of Rainfed Groundnut," <i>Agric Sci Dig</i> (1981) 1, 205-206
53	W. Ebeling, RJ Pence, "Termites and Other Enemies of Wood," <i>Pest Cont Oct.</i> 1956, 46-64
54	DW Eveling, A. Bataille, "The Effect of Deposits of Small Particles on the Resistance of Leaves and Petals to Water Loss," <i>Environ Poll</i> (1984) 36, 229-238
55	M. Llewellyn, J. Ervaz, "Abrasive Dusts as a Mechanism for Aphid Control," <i>Ent. Exp. &amp; Appl.</i> 26 (1979) 219-222
56	M Swamiappan, S Jayaraj, KC Chandy, "Effect of Activated Kaolinitic Clay on Some Storage Insects," <i>Z. Ang. Ent.</i> 80 (1976), 385-389
57	D Permual, G. Le Patourel, "Laboratory Evaluation of Acid-Activated Kaolin to Protect Stored Paddy Against Infestation by Stored Product Insects," <i>J Stored Prod Res</i> 26, 149-153, 1990
58	D Permual, G Le Patourel, "Small Bin Trials to Determine the Effectiveness of Acid-Activated Kaolin Against Four Species of Beetles Infesting Paddy Under Tropical Storage Conditions," <i>J Stored Prod Res.</i> 28, 193-199 (1992)
59	DT Lowery, MK Sears, CS Harmer, "Control of Turnip Mosaic Virus of Rutabaga With Applications of Oil, Whitewash, and Insecticides," <i>J Econ Ent</i> (1990) 83, 2352-2356
60	S. Marco, "Incidence of Aphid-Transmitted Virus Infections Reduced by Whitewash Sprays on Plants," <i>Amer. Phytop</i> (1986) 76, 1344-1348
61	J. Basnizki, M. Evenari, "The Influence of a Reflectant on Leaf Temperature and Development of the Globe Artichoke ( <i>Cynara scolymus</i> L.)," <i>J. Am Soc Hort Sci</i> 100, 109-112 (1975)
62	EF Durner, TJ Gianfagna, "Interactions of Ethephon, Whitewashing, and Dormant Oil on Peach Pistil Growth, Hardiness and Yield," <i>Am Hort Sci</i> 27, 104-105 (1992)
63	EF Durner, TJ Gianfagna, "Peach Pistil Growth Inhibition and Subsequent Bloom Delay by Midwinter Bud Whitewashing," <i>Am Hort Sci</i> 25, 1222-1224 (1990)
64	WJ Lipton, "Temperatures and Net Heat Gain in Normal and Whitewashed Cantaloupe Fruits," <i>J. Amer. Hort. Sci.</i> 97, 242-244 (1972)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY DOCKET NO. 4030C	SERIAL NO: 08/972653
	APPLICANT: Gary J. Puterka, et al.	
	FILING DATE: Nov. 18, 1997	Page 6 of 6



REFERENCE

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Ref</i>	WJ Lipton, F. Matoba, "Whitewashing to Prevent Sunburn of 'Crenshaw' Melons," Hortscience, 6, 343-345 (1971)
<i>Ref</i>	WS Cranshaw, DJ Liewehr, "Effects of Colored Sprays on Aphid & Psyllid Colonization," SW Entomol 15, 205-209 (1990)
	S. Marco, "Possible Modes of Action of Whitewash in Reducing Virus Incidence in Potatoes," Potato Res 33, 138-139 (1990)
	I. Bar-Zakay, M. Gokkes, Y. Oren, "Chemical Control of Aphids on Citrus Bearing Trees," Phytoparasitica 15, 343 (1987)
	S. Marco, "Reducing the Incidence of Aphid-Transmitted Viruses by Reflective Materials," Phytoparasitica 13, 279-280 (1985)
	DJ Gumpf, GN Oldfield, RK Yokomi, "Progress in the Control of Citrus Stubborn Disease," Proc Int. Soc. Citric, 457-458 (1981)
	JGM Vos, TS Uhan, B. Sutarya, "Integrated Crop Management of Hot Peppers," Crop Prot. 14, 445-452 (1995)
	CG Summers, JJ Stapleton, AS Duncan, DA Hart, "Comparison of Sprayable and Film Mulches in Delaying the Onset of Aphid-Transmitted Virus Diseases in Zucchini Squash," Plant Dis (1995) 79, 1126-1131
	PC Nicot, M. Mermier, BE Vaissiere, J. Lagier, "Differential Spore Production by Botrytis Cinerea on Agar Medium and Plant Tissue Under Near-Ultraviolet Light-Absorbing Polyethylene Film," Plant Dis (1996) 80, 555-558
	JJ Stapleton, WK Asai, JE DeVay, "Use of Polymer Mulches in Integrated Pest Management Programs for Establishment of Perennial Fruit Crops," (1989) Acta Hort. 255, 161-168
	RE Byers, CG Lyons, "Effect of Chemical Deposits from Spraying Adjacent Rows on Efficacy of Peach Bloom Thinners," HortSci (1985) 20, 1076-1078
	RE Byers, KS Yoder, GE Mattus, "Reduction in Russetting of 'Golden Delicious' Apples with 2, 4, 5-TP and Other Compounds," HortScience 18:63-65 (1983)
<i>Ref</i>	RE Byers, DH Carbaugh, CN Presley, "'Stayman' Fruit Cracking as Affected by Surfactants, Plant Growth Regulators, and Other Chemicals," J. Amer. Soc. Hort. Sci. 115:405-411 (1990)

Examiner <i>LOVERING</i>	Date Considered <i>7-13-98</i>
--------------------------	--------------------------------